Cell Division Phase Review – AP Biology

For each of the 12 diagrams, answer the following on separate paper:

1. Is the diagram showing Interphase or M-Phase? What is your evidence?

2. If M-phase, is it Mitosis, Meiosis or Cytokinesis? What is your evidence?

3. If Mitosis, what specific phase is it (Prophase, metaphase, anaphase, telophase?) What is your evidence?

4. If Meiosis, what specific phase is it (Prophase 1 or 2, metaphase 1 or 2, anaphase 1 or 2, telophase?) What is your evidence?

5. Is this a form of sexual or asexual cell division? What is your reasoning?

6. Will somatic cells or gametes be the resulting cells? What is your reasoning?

7. Describe the relative concentrations of CDK, Cyclin, & MPF in this point of the cell cycle. Explain your reasoning.

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